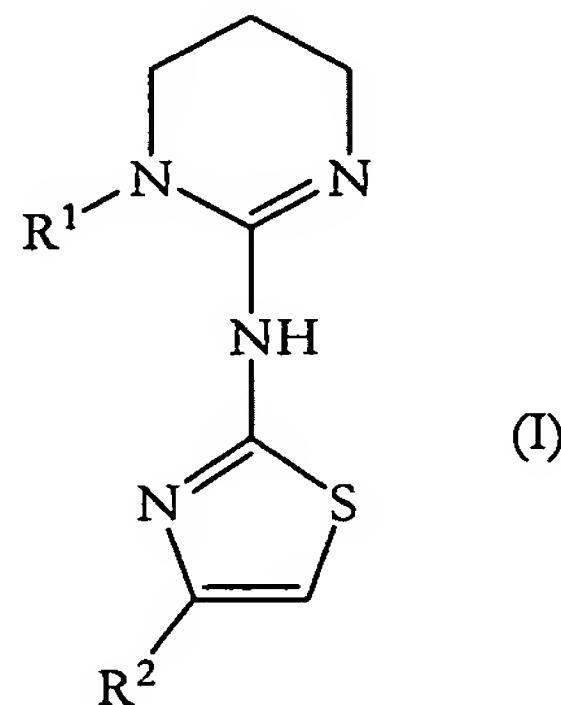


## Claims

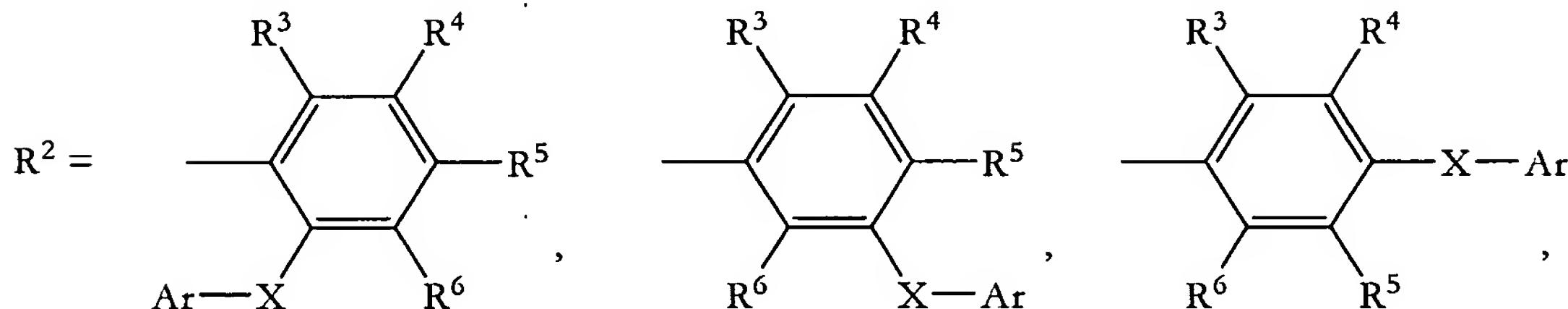
1. A pharmaceutical, antimycotically active nail lacquer for the treatment or prophylaxis of fungal infections of nails and skin, comprising an optionally substituted 2-aminothiazole of formula (I)



wherein

$R^1$  represents hydrogen or alkyl, and

$R^2$  represents a substituent of the formula



10 wherein

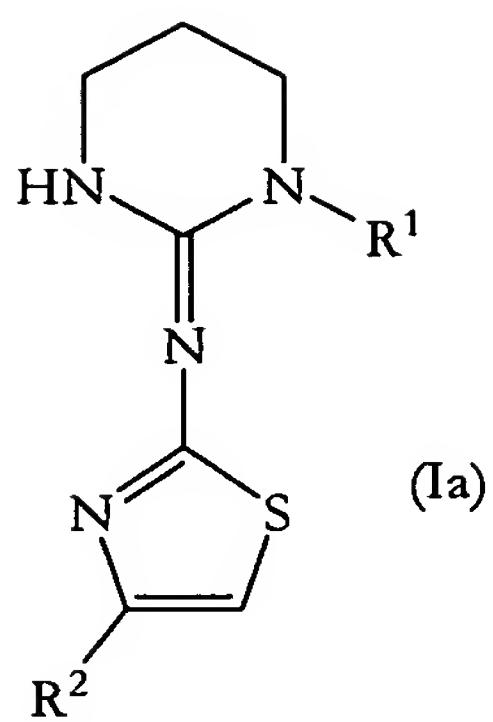
$R^3$ ,  $R^4$ ,  $R^5$  and  $R^6$  independently from each other represent hydrogen, halogen, nitro, alkyl, alkoxy, alkoxy-carbonyl, dialkylamino, alkylthio, alkylsulphinyl, alkylsulphonyl, halogenoalkyl, halogenoalkoxy, halogenoalkylthio, halogenoalkylsulphinyl or halogenoalkylsulphonyl,

15  $X$  represents oxygen, sulphur, sulphinyl or sulphonyl, and

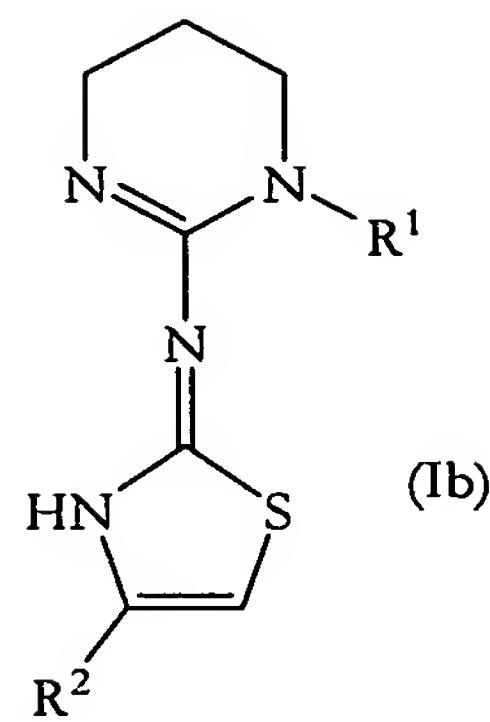
$Ar$  represents an optionally substituted aryl moiety, and

their physiologically acceptable acid addition salts,

wherein the compounds of formula (I) are in equilibrium with the tautomeric compounds of formulae (Ia) and (Ib)



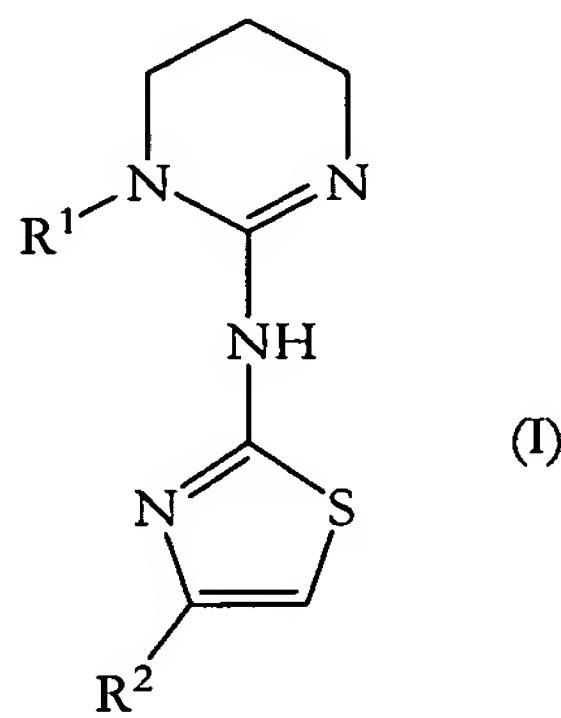
(Ia)



(Ib)

wherein R<sup>1</sup> and R<sup>2</sup> in each case have the abovementioned meanings.

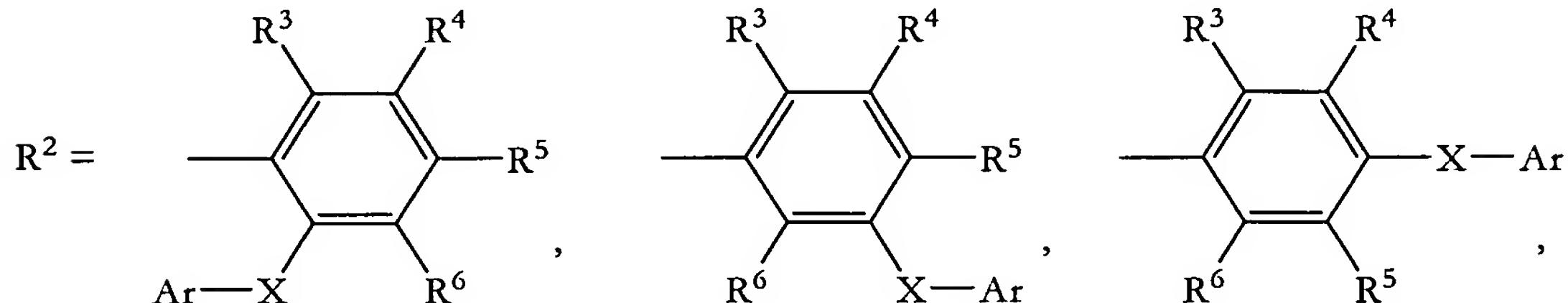
2. A pharmaceutical, antimycotically active nail lacquer for the treatment or prophylaxis of fungal infections of nails and skin, comprising an optionally substituted 2-aminothiazole of formula (I)



wherein

R<sup>1</sup> represents hydrogen or alkyl, and

R<sup>2</sup> represents a substituent of the formula



10

wherein

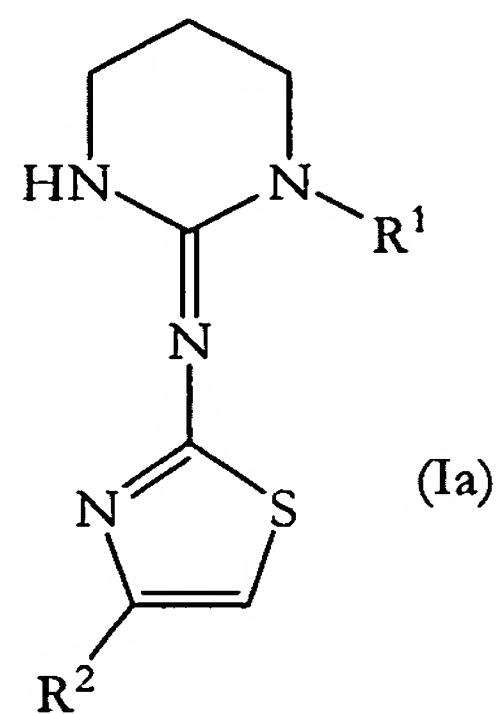
R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup> and R<sup>6</sup> independently from each other represent hydrogen, halogen, nitro, alkyl, alkoxy, alkoxy-carbonyl, dialkylamino, alkylthio, alkylsulphinyl,

alkylsulphonyl, halogenoalkyl, halogenoalkoxy, halogenoalkylthio,  
halogenoalkylsulphanyl or halogenoalkylsulphonyl,

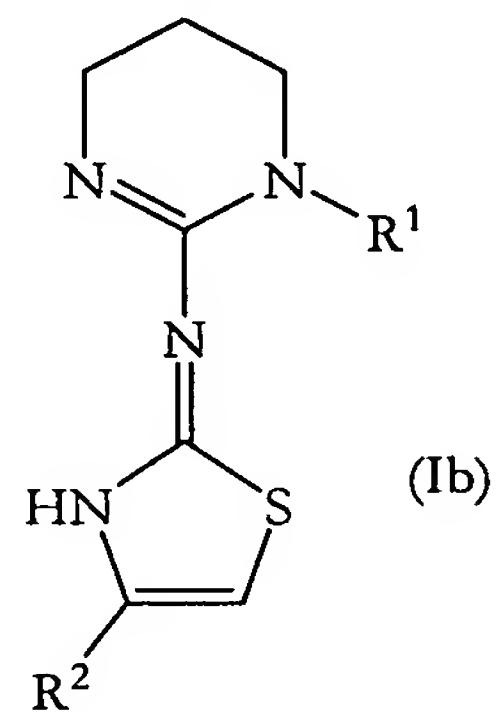
X represents oxygen, and

Ar represents an optionally substituted aryl moiety, and

5 their physiologically acceptable acid addition salts,  
wherein the compounds of formula (I) are in equilibrium with the tautomeric  
compounds of formulae (Ia) and (Ib)



(Ia)



(Ib)

wherein R<sup>1</sup> and R<sup>2</sup> in each case have the abovementioned meanings.

10

3. A pharmaceutical, antimycotically active nail lacquer according to claim 1 or 2, characterized in that it comprises a permeation enhancer.

15

4. A pharmaceutical, antimycotically active nail lacquer according to claim 3, wherein the permeation enhancer is hyaluronate lyase.

5. A pharmaceutical, antimycotically active nail lacquer according to claim 1 or 2, characterized in that it comprises a polymeric film-forming agent.

20

6. A pharmaceutical, antimycotically active nail lacquer according to claim 5, characterized in that the film-forming agent belongs to the group of water-insoluble acrylate polymers or methacrylate polymers and comprises a copolymer that belongs to the compound class of alkylvinylethers, maleic acid anhydride, alkylated poly(vinylpyrrolidones) and ammonium methacrylates.

25

7. A pharmaceutical, antimycotically active nail lacquer according to claim 1 or 2, characterized in that it comprises a plasticizer.

8. A pharmaceutical, antimycotically active nail lacquer according to claim 1 or 2, characterized in that it comprises at least one solvent.

9. A pharmaceutical, antimycotically active nail lacquer according to claim 8, characterized in that it comprises as a solvent ethanol, ethyl acetate, butyl acetate, isopropanol, acetone, methyl ethyl ketone, triacetin, tripropionin, diethylene glycol monoethyl ether, isopropyl acetate, or a mixture of two or more of said solvents.

10. A pharmaceutical, antimycotically active nail lacquer according to claim 1 or 2, comprising

15 from 0.1 to 20% antimycotic agent,  
from 0.5 to 35% permeation enhancer,  
from 0.5 to 40% film-forming polymer,  
from 5 to 80% volatile solvent, and  
from 1.0 to 10% plasticizer.

20 11. A pharmaceutical, antimycotically active nail lacquer according to claim 1 or 2, wherein the antimycotically active ingredient is Abafungin.

12. A method for the treatment of fungal infections, in which a pharmaceutical, antimycotically active nail lacquer according to claim 1 or 2 is applied to infected nails.

25 13. A method for the prophylaxis of fungal infections, in which a pharmaceutical, antimycotically active nail lacquer according to claim 1 or 2 is applied to nails of subjects who are in danger of being affected by a nail fungal infection.